

IN THE SPECIFICATION:

Please amend the abstract of the disclosure as follows:

A system for integrating broadcast and communication technologies is ~~provided.~~
~~The integration system comprising performs a connection between an~~ optical-line
terminal (OLT), a optical-network unit (ONU) and a user gateway~~as well as a connection~~
~~between an optical line terminal (OLT) and the ONU using an optical line, wherein a~~
broadcast signal is and processes a broadcast signal on~~processed on~~ the basis of time
division multiplexing (TDM) such that the quality of a broadcast service can be ensured.
~~The OLT receives at least one digital broadcast signal through an external broadcast~~
~~network and at least one external data communication signal, then electro-optically~~
~~converts the received signals, combines the electro-optically converted signals to form an~~
~~optical signal, and transmits the optical signal on the basis of optical wavelength division~~
~~multiplexing (WDM).~~ The ONU separates the optical signal transmitted from the OLT
into the broadcast signal and the communication signal, processes upstream information
transmitted from a user, and optically transmits the broadcast signal and the
communication signal selected on a user-by-user basis, on the basis of a time slot. Finally,
the ~~A user gateway is further provided in the system to convert opto-electrically converts~~
a time slot-based optical signal transmitted from the ONU, separate the time slot-based
optical signal into individual signals, distribute the individual signals on a service-by-
service basis, and optically transmit the upstream information from the user to the ONU.